

## ABSTRACT

The present invention enhances service system selection by a mobile unit in a wireless communication system. The mobile unit determines its geographic position, and based on that position selects the proper service system. The geographic position may be determined using a global position system, deck reckoning, or estimated from a last known position. The distance of varying service systems from the mobile station can then be calculated and a service system selected based on this distance. The mobile station may also use the position information in combination with a database including position information of service systems to select the proper service system. The position information of the service systems can be included in the system selection database. The mobile station may also map service systems based on position information and service availability. The mobile station can then subsequently refer to these maps to estimate available service.